Flowmeter SITRANS FUE950 operating instructions, accessories and spare parts

Operating instructions

Description	Order No.
• English	**A5E03424739**

This device is shipped with a Quick Start guide and a CD containing further SITRANS F US literature.

All literature is also available for free at:
http://www.siemens.com/flowdocumentation

Accessories

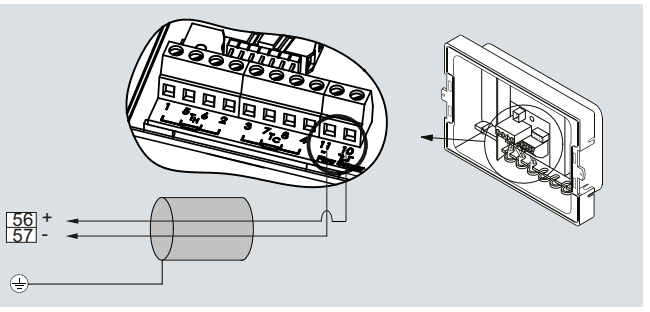
Description	Order No.
Infrared optical head (Bluetooth type) for data acquisition & programming of FUE950	**A5E02611768**
Bracket for SITRANS FUE950 wall mounting (20 pcs.)	**A5E02611769**
Cable for data acquisition via RS 232 PC/D-sub 9F/3 wire	**A5E02611774**
Basic version of programming software tool for FUE950	**free download from internet**
Expert version of programming software tool for FUE950	**A5E03478951**
Test Lab. version of re-programming software tool for FUE950	**A5E03461778**

Spare parts

Description	Order No.
Add-on modules for FUE950 (only for 7ME348 versions)	
Pulse input module (2 inputs)	**A5E03461432**
Pulse output module (2 outputs)	**A5E03461436**
Combined pulse in-/output module (2 inputs and 1 output)	**A5E03461437**
RS 232 module (M-Bus protocol)	**A5E03461459**
RS 485 module (M-Bus protocol)	**A5E03461512**
M-Bus module	**A5E03461516**
Combined current output module, 2 x passive 4 ... 20 mA	**A5E03461583**
Connection cable for option modules (types: Pulse, RS 232/RS 485, M-Bus, mA) (special connection cable with 2 plugs)	**A5E03461585**
Power supply for FUE950 (only for 7ME348 versions)	
3.6 V D-cell battery for SITRANS FUE950	**A5E03461708**
230 V AC supply module (incl. internal fuse T50 mA L 250 V and back-up battery) for SITRANS FUE950	**A5E03461717**
24 V AC supply module for SITRANS FUE950, incl. back-up battery	**A5E03461719**
Pocket for temperature sensors Pt500 (for related 4-wire Pt500 type only, 1 pc.)	
Stainless steel pocket (1 pc.), 135 mm length for 6 mm sensor diameter, max. PN 40 and max. 5 m/s (recommended for 140 mm sensor length).	**A5E03462868**
Stainless steel pocket (1 pc.), 225 mm length for 6 mm sensor diameter, max. PN 40 and max. 5 m/s (recommended for 230 mm sensor length).	**A5E03462870**
Pt500 4-wire temperature sensor pair, with MID MI004 and PTB K7.2 approvals and verification (for related 4-wire sensor pocket types only)	
Pt500 sensor pair (6/140 mm), 4-wire with 5 m connection cable, 6 mm sensor diameter and 140 mm sensor length. MID approved DE-06-MI004-PTB011, PTB approved 22.77/09.01 (mentioned approvals are only valid if temp. sensors are used with the applicable temperature sensor pockets).	**A5E03462872**
PT500 sensor pair (6/230 mm), 4-wire with 5 m connection cable, 6 mm sensor diameter and 230 mm sensor length. MID approved DE-06-MI004-PTB011, PTB approved 22.77/09.01 (mentioned approvals are only valid if temp. sensors are used with the applicable temperature sensor pockets).	**A5E03462878**
FUE950 enclosure (only for 7ME348 versions)	
Bottom part of FUE950 enclosure (1 pc.)	**A5E03461508**
Snap fit for FUE950 enclosure (1 pc.)	**A5E30461731**
Pocket for Pt500 temperature sensors (for corresponding 2-wire Pt500 types only, 1pc.)	
Brass pocket 6 mm, G½B x 40 mm (PN 16), 1 pc.	**A5E02611778**
Brass pocket 6 mm, G½B x 85 mm (PN 16), 1 pc.	**A5E02611779**
Brass pocket 6 mm, G½B x 120 mm (PN 16), 1 pc.	**A5E02611780**
Stainless steel 6 mm, G½B x 85 mm (PN 25), 1 pc.	**A5E02611781**
Stainless steel 6 mm, G½B x 120 mm (PN 25), 1 pc.	**A5E02611783**
Stainless steel 6 mm, G½B x 155 mm (PN 25), 1 pc.	**A5E02611792**
Stainless steel 6 mm, G½B x 210 mm (PN 25), 1 pc.	**A5E02611793**
Pt500 temperature sensor pair, 2-wire cable, 6 mm sensor diameter, with MID/EN-approval (for corresponding 2-wire sensor pocket types only)	
Cable length:	
2 m	**A5E02611794**
3 m	**A5E02611795**
5 m	**A5E02611796**
10 m	**A5E02611798**

Schematics

Electrical connection for SITRANS FUS380/FUE380/FUE950 and MAG 5000/6000/FUE950



The diagram shows the connection between SITRANS FUE950 (terminals 10 and 11) and FUS380/FUE380 and MAG 5000/6000 (terminals 56 and 57). Temperature sensors must be connected to terminals 5 (1) and 6 (2) (T_H) and 7 (3) and 8 (4) (T_C).

Note:
The right flowmeter pulse output value must be equal to the FUE950 pulse input value and must be checked via the user menu of the transmitter MAG 5000/6000 or nameplate of FUE380 or FUS380.